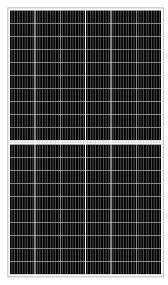
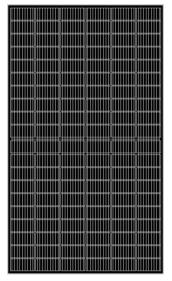


GKA210N120 660W-680W

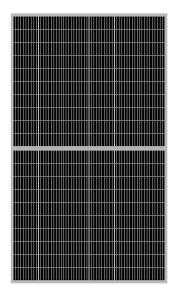




GKA210N120S STANDARD



GKA210N120BK BLACK VERSION



GKA210N120BF BIFACIAL

KEY FEATURES



M Busbar Solar Cell

M Busbar Solar Cell design improves module efficiency and offers better aesthetic appearance for rooftop installation.



High Efficiency:

Higher module conversion efficiency(up to 24.03%) benefit from N-TOPCon cell technology.



PID Resistance:

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance:

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



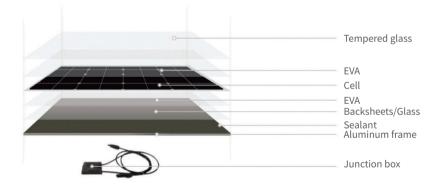
Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



DURABILITY AGAINST EXTREME ENVIRONMENTAL CONDITIONS:

High salt mist and ammonia resistance certified.



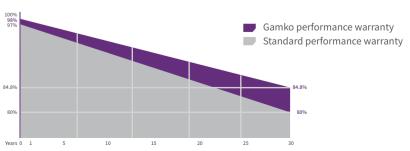
★ GAMKO SOLAR MODULE BOM

CELLS: TIER 1 BRANDS SOLAR CELLS
TEMPERED GLASS: ULTRA-CLEAR
EVA:TRANSPARENCY>93%
BACKSHEETS: REFLECTIVITY>80%, TPT

JUNCTION BOX: IP68 MAX 30A
SILICON GEL: UV,AGING-RESISTANT
FRAME: ANODIZED ALUMINUM 6005-T5

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty \cdot 30 Year Linear Power Warranty



★ GAMKO QUALITY CONTROL

- 2 EL testing avoid cells cracking of each solar module.
- 2 Power flash testing avoid false welding and insufficient power of each module.
- Packing tightly with angle protection avoid transportation broken.
- Gamko official Warranty cover all Gamko solar module30 years.

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GKA210N120 660W-680W





SPECIFICATION										
	STC	NOCT								
Maximum Power(P _{max})	660W	495W	665W	499W	670W	503W	675W	506W	680W	510W
Open Circuit Voltage (Voc)	42.95V	40.87V	43.18V	41.12V	43.42V	41.36V	43.64V	41.53V	43.90V	41.77V
Short Circuit Current (Isc)	19.36A	15.60A	19.40A	15.63A	19.45A	15.66A	19.49A	15.69A	19.52A	15.72A
Voltage at Maximum Power (V _{mpp})	35.79V	32.91V	35.98V	33.11V	36.18V	33.31V	36.37V	33.44V	36.58V	33.64V
Current at Maximum Power (Impp)	18.44A	15.04A	18.48A	15.07A	18.52A	15.10A	18.56A	15.13A	18.59A	15.16A
Module Efficiency STC (%)	23.32%		23.50%		23.67%		23.85%		24.03%	

STC: Irradiance 1000W/m2, Cell temperature 25°C, AM1.5; Tolerance of Pmax: ±3%; Measurement Tolerance: ±3%, Pmax According Gamko's official testing. NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s; Tolerance of Pmax: ±3%; Measurement Tolerance: ±3%, Pmax According Gamko's official testing.

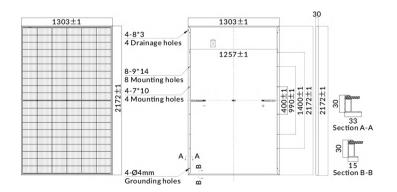
BIFACIAL OUTPUT-REARSIDE POWER GAIN							
5%	Maximum Power(P _{max})	693W	698W	704W	709W	714W	
J 70	Module Efficiency STC (%)	24.49%	24.68%	24.85%	25.04%	25.23%	
15%	Maximum power (P _{max})	759W	765W	771W	776W	782W	
1370	Module Efficiency STC (%)	26.82%	27.03%	27.22%	27.43%	27.63%	
25%	Maximum Power(P _{max})	825W	831W	838W	844W	850W	
	Module Efficiency STC (%)	29.15%	29.38%	29.59%	29.81%	30.04%	

MECHANICAL CHARACTERISTICS				
Cell type	Monocrystalline TOPCON 210*105mm			
Number of cells	120(6x20)			
Module dimensions	2172*1303*30MM			
Weight	28kg			
Front cover	3.2mm (0.13inches)tempered glass with AR coating			
Frame	Anodized aluminum alloy			
Junction box	IP68 rated (3 by pass diodes)			
Cable	4mm2(0.006inches2),Portrait: 300mm(11.81inches);			
Connector	PV compatible			

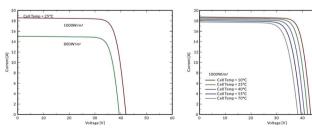
TEMPERATURE CHARACTERISTICS				
Nominal Operating Cell Temperature (NOCT)	43°C±2°C			
Temperature Coefficients of P _{max}	-0.34%/°C			
Temperature Coefficients of Voc	-0.25%/°C			
Temperature Coefficients of Isc	-0.04%/°C			

PACKAGING	
Standard packaging	36pcs/pallet
Module quantity per 20' container	288pcs(no pallet)
Module quantity per 40' container	648pcs(HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



Specifications included in this datasheet are subject to change without notice.

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